

SMART EMBEDDED DISPLAY - 10.1-INCH IPS TFT LCD 1280*800 WITH CAPACITIVE TOUCH - ETEMB101027XDRL

Features:

- 16:10 10.1-inch 1280*800 resolution IPS TFT display module
- 16.7M colors
- Brightness: 850 nits with capacitive touch screen
- Industrial Interface: Ethernet(10/100 BASE, include MAC address), RS485, CAN FD, USB(TYPE C)
- 7-36VDC Power supply range.
- Super Wide View: 85/85/85/85(L/R/U/D)
- The capacitive touch panel can be flexibly customized with features such as water rejection, glove support, etc.
- Arm M7 based MCU, and flash (up to 128 MB)

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Software

RTOS, GUI Development Software, and Initialization tool

FreeRTOS, TouchGFX, and CubeMX

Board Support Package

TouchGFX's tpa file support
Bootloader and flash-loader files

IDE

GCC, CubeIDE, IAR, and MDK-ARM

Overall

Size

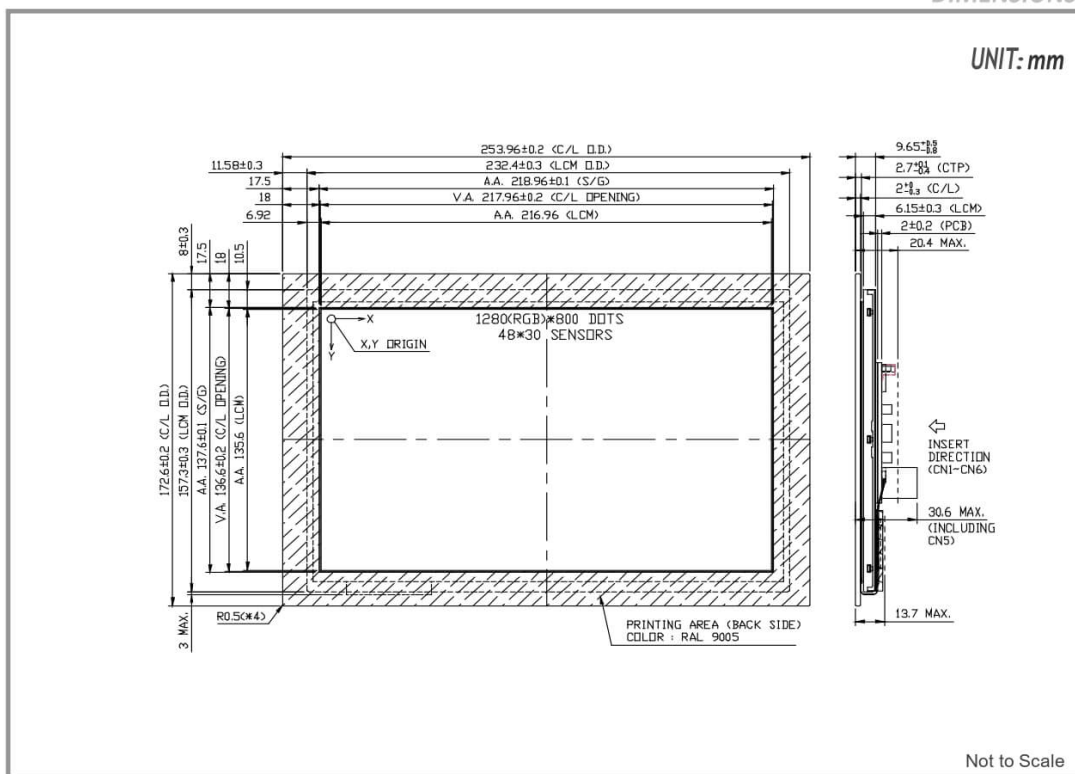
10.1 inch

Outline Dimensions	253.96(W) x 172.6(H) x 30.6(D)(max) mm
Bonding Technology	Air Bonding
Display	
Color	16.7M
Panel Type	IPS-TFT LCD, Transmissive, Normally Black
Viewing Angle	Super Wide View, 85/85/85/85 (L/R/U/D)
Active Area (A.A.)	216.96(W) x 135.6(H) mm
Resolution	1280RGB x 800
Brightness	850 nits
Viewing Area	217.96(W) x 136.6(H) mm
Active Area	216.96(W) x 135.6(H) mm
Dot Size	0.0565(W) x 0.1695(H) mm
Pixel Size	0.1695(W) x 0.1695(H) mm
Touch	
Type	Capacitive Touch Panel (CTP)
IC:	ILITEK ILI2510
Structure	2 mm chemically strengthened cover glass
Power Consumption	
Voltage	7~36 V
Current	7 V: 1460mA 12 V: 840mA 36 V: 290mA
PoE Voltage	N/A
PoE Current	N/A
Embedded	
MCU	STM32H7S7
Internal SRAM	620KB
External SDRAM	320MB
Internal Flash	64KB
External Flash	64MB
Interface	
Power over Ethernet	Ethernet : 10/100 Base
USB	TYPE C
CAN	CAN 2.0 and FD CAN
UART	RS485
SPI	N/A
I2C	N/A
GPIO	N/A

Programming	SWD interface (ST-link)
Environment	
Operating Temperature	-20~70 °C
Storage Temperature	-30~80 °C
Vibration	Operating: N/A Storage: 11.76 m/s ² (1.2g)
Shock	Operating: N/A Storage: 490 m/s ² (50g)
Certification	
CE Certification	N/A

ETEMB101027XDRAL | 1280(RGB) x 800

DIMENSIONS



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Browser not compatible.